

Form PTO-1449 Department of Commerce  Trademark Office  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	U.S.  Patent and	Atty. Docket No. P24925	Serial No. 10/772,398
		Applicant Toshio MATSUMOTO	
		Filing Date February 6, 2004	Group Not Yet Assigned

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6 7 1 9 9 8 9	04/13/04	MATSUSHIMA et al.		
2002	/ 0 1 0 4 6 0 2	08/08/02	ARAI et al.		

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
2 3 4 8 8 7 2	10/18/00	UNITED KINGDOM			
2 1 9 2 3 8 9	01/13/88	UNITED KINGDOM			
2 1 4 2 9 1 9	01/30/85	UNITED KINGDOM			
2 0 7 8 6 9 6	01/13/82	UNITED KINGDOM			
0 2 7 8 5 8 3	02/12/88	E.P.O.			
0 2 5 3 5 0 6	06/15/87	E.P.O.			

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

1	Derwent Abstract 1985-220756 of JP 60-142847 which published July 1985

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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PN - JF60142857 A 19850729  
PD - 1985-07-29  
PR - JP19830247226 19831229  
OPD - 1983-12-29  
TI - BONE CEMENT COMPOSITION  
IN - TAKAGI SHIGEHARUYAMAUCHI SHIGERUOKU TAKASHI  
PA - SUMITOMO CEMENT CO. YAMAUCHI SHIGERU  
IC - A61F2/28 ; A61L27/00 ; C04B38/00

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TI - Bone cement compsn. contg. calcined calcium phosphate cpd. - with defined calcium to phosphorus ratio and physical properties  
PR - JP19830247226 19831229  
PN - JF60142857 A 19850729 DW198536 008pp  
- JP3059703B B 19910911 DW199140 000pp  
PA - (SUMD) SUMITOMO CEMENT CO  
IC - A61F2/28 ; A61L27/00 ; C04B38/00  
AB - J60142857 Bone cement compsn. comprises a calcined calcium phosphate cpd. (e.g. hydroxyapatite such as  $\text{Ca}_5(\text{PO}_4)_3\text{OH}$ ,  $\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2$ , etc., calcined at 800-1450 deg.C) of a Ca/P atomic ratio of 1.30-1.80, having a grain size of 0.05-0.5 mm and porosity of 40-90%, with pores of dia. of 1-600 microns and with fine paths leading to the pores. The cpd. contains 10-200% of at least one of e.g. water, sodium chloride injection (or solution), blood and artificial blood-plasma.  
- USE/ADVANTAGE - Compsn. has excellent compatibility with living tissue and adhesiveness to bone, joint, etc., prostheses of metals or ceramics. It also efficiently activates the osteoplastic cells, etc., and suppresses the intrusion of collagen fibre and other harmful objects.  
OPD - 1983-12-29  
AN - 1985-220756 [25]